

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
514.06 Curing Box for Concrete Cylinders	Each

SECTION 515 - PROTECTIVE COATING FOR CONCRETE SURFACES

515.01 Description This work shall consist of furnishing and applying a protective coating on concrete surfaces as called for on the plans or as designated by the Resident in accordance with these specifications.

515.02 Materials Materials shall meet the requirements of Section 711.05, Protective Coating for Concrete Surfaces.

515.03 Surface Preparation On surfaces to be treated, all voids shall be filled with mortar and the entire surface shall be dressed by dry rubbing to remove form marks and blemishes to present a neat appearance. The concrete shall remain dry for at least 48 hours before treatment and shall be free of laitance, oil, grease, dirt and dust. All traces of dust shall be removed immediately before applying the linseed oil mixture.

The treatment shall not be done until at least 14 days after casting the concrete and completed at least 24 hours before the treated portion is opened to traffic.

515.04 Application Enough material shall be used to coat the surfaces thoroughly. Two coatings shall be applied 24 hours or more apart. The minimum rates of application shall be 0.10 L/m² [.025 gal/yd²] for the first coat and 0.07 L/m² [.015 gal/yd²] for the second coat.

The method of application may be dependent on available equipment and the area involved. Hand spray methods or pressure distributors may be used and application by rollers or brushes may be desirable under some conditions. Care shall be taken to prevent discoloration of areas and parts not requiring treatment.

Twenty-four hours after application, excess coating materials, if any, must be removed.

When practical, treatment of the concrete surfaces shall be completed before exposure to deicing salts. The

temperature of the concrete to be treated shall be above 4°C [40°F] at the time of application.

515.05 Method of Measurement Protective coating for concrete surfaces will be measured for payment by the square meter [square yard] or lump sum unit as specified, satisfactorily applied and accepted.

515.06 Basis of Payment Protective coating for concrete surfaces will be paid for at the contract unit price per square meter [square yard] or lump sum as specified.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
515.20 Protective Coating for Concrete Surface	square meter [Square Yard]
515.21 Protective Coating for Concrete Surfaces	Lump Sum

SECTION 516 - STYRENE-BUTADIENNE LATEX MODIFIED PORTLAND CEMENT MORTAR AND CONCRETE

Reserved

SECTION 517 - SHOTCRETE

Reserved

SECTION 518 - STRUCTURAL CONCRETE REPAIR

518.01 Description This work shall consist of repairing existing substructure and superstructure structural concrete as shown on the plans and/or as directed by the Resident. Repairing structural concrete shall include removal and disposal of deteriorated concrete, cleaning exposed reinforcing steel by sandblasting and/or wire brushing, and placing repair material. All work shall be in conformance with applicable provisions of Sections 202, 502, and 503. Upward facing surfaces are